

COSMOS 2079-2081 ULLAGE MOTOR

1990-045G

20631

SATELLITE DATA

TYPE: Mission Related Debris
OWNER: CIS
LAUNCH DATE: 19 May 1990
DRY MASS (KG): 55
MAIN BODY: Ellipsoid; 0.6 m diameter by 1 m length
MAJOR APPENDAGES: None
ATTITUDE CONTROL: None
ENERGY SOURCES: On-board propellants

EVENT DATA

DATE:	~28 Mar 1999	LOCATION:	Unknown
TIME:	Unknown	ASSESSED CAUSE:	Propulsion
ALTITUDE:	Unknown		

POST-EVENT ELEMENTS

EPOCH:	99087.88291821	MEAN ANOMALY:	123.5812
RIGHT ASCENSION:	319.9610	MEAN MOTION:	04.24414150137202
INCLINATION:	64.8090	MEAN MOTION DOT/2:	.00000311
ECCENTRICITY:	.5789417	MEAN MOTION DOT DOT/6:	00000-0
ARG. OF PERIGEE:	199.4305	BSTAR:	.0040281

DEBRIS CLOUD DATA

MAXIMUM ΔP : Unknown
MAXIMUM ΔI : Unknown

COMMENTS

This is the 20th event of the Proton Block DM SOZ Ullage Motor class identified to date; it is the ninth associated with a GLONASS mission. This mission was conducted before the engineering defect was identified and passivation measures implemented. In this orbit, debris may be long-lived but hard to track. 76 debris objects were detected.

REFERENCE DOCUMENT

"Abandoned Proton Ullage Motors Continue to Create Debris", The Orbital Debris Quarterly News, NASA JSC, April 1999.